

WHAT IS CLAIMED IS:

1. A data storage device comprising:
a plurality of storing means for storing data;
writing means for writing data to any of said
storing means;
reading means for reading data from any of said
storing means; and
addressing means which, when data are to be either
written by said writing means or read by said reading
means, addresses said storing means in desired increments
by use of a unique address.
2. A data storage device according to claim 1,
wherein said addressing means has a plurality of
organizing methods for organizing said storing means into
increments for collective addressing, each of the methods
causing said storing means to be addressed in desired
increments by use of another unique address, (said desired
increments including the same storing means.)
3. A data storage device according to claim 2,
wherein said data are image data, and wherein said
organizing methods include a method for organizing one-
byte data in increments of pixels, and a method for
organizing one-byte data by dividing the pixel-by-pixel
one-byte data into desired increments of bits.

4. A data storage device according to claim 1,
wherein said addressing means maps the same storing means
in different address spaces.

5. A data storing method for transferring data
from source addresses to destination addresses for
storage, the method comprising the steps of:

temporarily storing all input data;

successively retrieving out of said input data only
those data items corresponding to addresses picked in
desired increments; and

successively transferring the retrieved data items
from said source addresses to said destination addresses
for storage.